

# Socket Bluetooth® GPS Receiver

## GPS Receiver with Bluetooth Wireless Technology

### Add GPS to Your Bluetooth-Enabled Pocket PC

If you have a Pocket PC or other device enabled with Bluetooth, now you can take advantage of your device's Bluetooth capability to wirelessly add GPS positioning technology.

Whether you're a traveler and need to navigate your journey, or whether you're a field service worker and need to report your location, this is the perfect solution for you. It's great for both consumers and corporate users to benefit from the many positioning applications now available for Pocket PCs. Use it for vehicle tracking, marine navigation, aviation, topography or street-level navigation. If you have mobile Internet access, you can even combine GPS with online maps.

It's easy to add Bluetooth functionality to a Pocket PC via Socket's Bluetooth Connection Kit (SDIO or CompactFlash). Pair it with Socket's Bluetooth GPS Receiver and a Bluetooth phone, and you can benefit from a real-time navigational system with access to maps on the Internet.

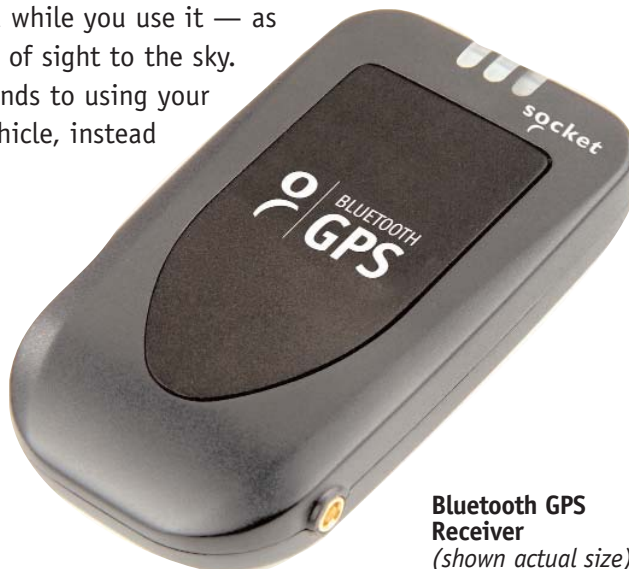
### No Cards or Cables Means No Hassles

Before, adding GPS to a Pocket PC meant using an obtrusive GPS receiver or troubling with messy cords and antennas — reducing the portability of your Pocket PC. Besides adding bulk and weight to your Pocket PC, these solutions also consumed power from your Pocket PC. Plus you had to assemble the different gadgets every time you used them. Using Bluetooth to wirelessly add GPS eliminates all of these inconveniences.

No cables also means you can position the Bluetooth GPS Receiver for optimal satellite reception. You can keep the Bluetooth GPS Receiver in your coat pocket or on your dashboard while you use it — as long as there is a direct line of sight to the sky. This lets you devote your hands to using your Pocket PC or driving your vehicle, instead of juggling devices.

### Mobility Friendly®

The unit is small and lightweight for maximum portability. The rechargeable battery lasts for six hours of continuous use.



**Bluetooth GPS Receiver**  
(shown actual size)

## FEATURES

### GPS Features

- 12 Channel all-in-view tracking
- Position accuracy of 10 meters RMS, without SA
- Supports NMEA-0183 (v2.20) standard at 38,400 bps baud rate

### Bluetooth Features

- Compatible with most Bluetooth devices — any with Serial Port Profile
- Bluetooth 1.1 certified (Class 2)

### General Features

- Small, sleek, and lightweight design easily fits in your hand
- Three LEDs at the top of the device show Bluetooth, GPS, and battery status
- Rechargeable embedded lithium-ion battery lasts for 6 hours of use
- External antenna port
- On/off switch
- Bluetooth GPS Nav Kit (available separately) includes Bluetooth GPS Receiver and in-car navigation software (Kit for U.S. SKU# GP0805-406)

### Possible Applications

- Vehicle tracking
- Marine navigation
- Aviation
- Topography
- Street-level navigation
  - In-car navigation
  - Door-to-door routing
  - Points of interest

# Socket Bluetooth® GPS Receiver

## SPECIFICATIONS

### GPS Receiver with Bluetooth Wireless Technology



Bluetooth GPS Receiver and  
Pocket PC  
(navigation software not included)



Top of Bluetooth GPS Receiver has  
power switch, status LEDs, and  
power jack

#### Bluetooth GPS Receiver

Product# GP0804-405

#### General Characteristics:

##### Device Size:

**Dimensions:** 50 x 90 x 16 mm

**Mass:** 61 g (650 mA version)

**Chipset:** Sirf Star IIe/LP

**Frequency:** L1, 1.575.42 MHz

**C/A:** 1.023 MHz chip rate

**Channels:** 12 Channels all-in-view tracking

**Antenna Type:** Built-in Ceramic patch  
antenna (External antenna optional)

#### Accuracy (without DGPS):

**Position:** 10 m, RMS, 25 m CEP without SA

**Velocity:** 0.1 m/sec without SA

**Time:** 1 microsecond synchronized to GPS  
time

#### Acquisition Rate (Open sky, stationary):

**Reacquisition:** 0.1 sec, average

**Cold Start:** < 80 sec, average

**Warm Start:** < 45 sec, average

**Hot Start:** < 10 sec, average

#### Dynamic Conditions:

**Altitude:** < 18,000 m

**Velocity:** < 515 m/sec

**Acceleration:** < 4 g

#### Interface:

**Connection:** Communication with host  
platform via Bluetooth Serial Profile

##### Protocol:

**Default:** NMEA-0183 (V2.20)

38,400 bps baud rate

#### Power:

**Source:** Built-in rechargeable lithium ion  
battery with 5V DC input charging circuit  
(650 mA)

##### Operation Time:

**Default:** 6 hours minimum after full charge,  
continuous mode

#### Environmental:

**Operating Temperature:** -20°C to +60°C

**Relative Humidity:** 5% to 95%,  
non-condensing

#### Possible Applications:

Vehicle tracking  
Marine navigation  
Aviation  
Topography  
Street-level applications:  
- In-car navigation  
- Door-to-door routing  
- Points of interest

#### Product Warranty:

**Bluetooth GPS Receiver:** Three years

#### For Additional Product Information:

**Website:** [www.socketcom.com](http://www.socketcom.com)

**Email:** [info@socketcom.com](mailto:info@socketcom.com)

**FTP:** [ftp.socketcom.com](ftp://ftp.socketcom.com)

#### Sales Offices:

##### Corporate Headquarters:

**Phone:** 510-744-2700

**Domestic Toll Free:** 800-552-3300

**Fax:** 510-744-2727

**Email:** [Northamerica@socketcom.com](mailto:Northamerica@socketcom.com)

[Europe@socketcom.com](mailto:Europe@socketcom.com)

[Japan@socketcom.com](mailto:Japan@socketcom.com)

[Asiapacific@socketcom.com](mailto:Asiapacific@socketcom.com)

[Latinamerica@socketcom.com](mailto:Latinamerica@socketcom.com)



#### Corporate Headquarters:

Socket Communications, Inc.  
37400 Central Court, Newark, CA 94560  
Phone: 510-744-2700  
Fax: 510-744-2727  
[www.socketcom.com](http://www.socketcom.com)



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